

Reg. No

Name

M Sc DEGREE END SEMESTER EXAMINATION - OCTOBER 2019
SEMESTER 1 : AQUACULTURE AND FISH PROCESSING
COURSE : 16P1AQCT04 : AQUACULTURE ENGINEERING
(For Regular - 2019 Admission and Supplementary - 2016/2017/2018 Admissions)

Time : Three Hours

Max. Marks: 75

Section A
Answer any 8 (2 marks each)

1. What is wave diffraction?
2. What is bench mark?
3. What is a secchi disc?
4. Differentiate open or free level intake and controlled level intake of water.
5. What are monk gates?
6. Dike design.
7. Explain soil permeability.
8. What is open pit method?
9. What are the different types of enclosures?
10. What is raceway?
11. Name different types of aerators.
12. What is modified system?

(2 x 8 = 16)

Section B
Answer any 7 (5 marks each)

13. Difference between cost of construction of a square and rectangular ponds.
14. Explain stress cracking.
15. Differentiate the characteristics of Sand, silt and clay.
16. Explain soil separators.
17. Write an account on properties of soil.
18. What are the different types of cages?
19. Maintenance of fish pens.
20. Materials for enclosures in a pond.
21. Write down the merits and demerits of paddle wheel aerators.
22. Write short notes on ammonia removal.

(5 x 7 = 35)

Section C
Answer any 2 (12 marks each)

23. Explain sluice gates used in Brackish water Farming.
24. Write an essay on quality of soil in ponds.
25. Explain the textural triangle.
26. What are open channel flow meters, explain its advantages and disadvantages.

(12 x 2 = 24)